

Abstract

Improved resonant reflectors are provided for increased mode control of optoelectronic devices. Some of the resonant reflectors provide improved mode control while not requiring significant additional processing steps, making them ideal for commercial applications. Other resonant reflectors reduce or eliminate abrupt changes in the reflectivity of the resonant reflector across an optical cavity of an optoelectronic device, allowing them to reduce or eliminate undesirable diffraction effects that are common in many resonant reflectors.

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